

FILE 'REGISTRY' ENTERED AT 13:20:27 ON 04 DEC 2001

27  
L1 E CATECHIN/CN  
4 S E3 OR E4 OR E5 OR E6  
L2 2 S CATECHIN GALLATE/CN  
E CATECHIN GALLATE/CN  
L3 2 S E3  
E GALLOCATECHIN GALLATE/CN  
L4 1 S E3  
E EPICATECHIN/CN  
L5 4 S E3 OR E5 OR E8 OR E9  
L6 2 S EPICATECHIN GALLATE/CN  
E EPICATECHIN GALLATE/CN  
L7 3 S E3 OR E4  
E EPIGALLOCATECHIN/CN  
L8 2 S E3 OR E4 OR E5 OR E8  
L9 12 S L1 OR L3 OR L4 OR L5 OR L7 OR L8

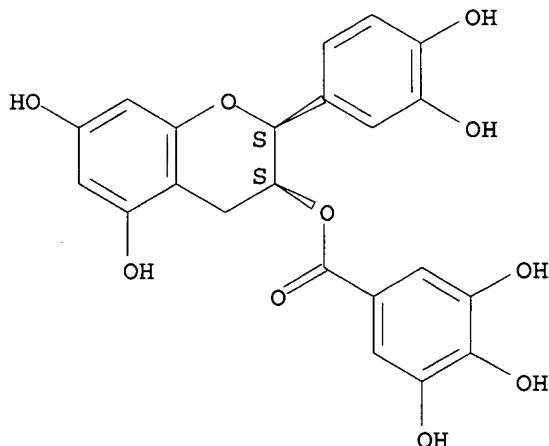
FILE 'STNGUIDE' ENTERED AT 13:30:15 ON 04 DEC 2001

FILE 'USPATFULL, HCAPLUS' ENTERED AT 13:43:58 ON 04 DEC 2001

L10 3242 S EPICATECHIN OR EPICATECHOL OR (EPI (W) (CATECHIN OR  
CATECHOL)  
L11 2398 S 490-46-0/RN  
L12 3403 S L10 OR L11  
L13 41 S EPICATECHINGALLATE OR EPICATECHOLGALLATE  
L14 305 S 863-03-6/RN  
L15 330 S L13 OR L14  
L16 731 S 1257-08-5/RN  
L17 3446 S L12 OR L15 OR L16  
L18 138 S CATECHINGALLATE OR (CATECHIN (W) GALLATE)  
L19 20 S 101840-48-6/RN  
L20 141 S L18 OR L19  
L21 0 S 20819-16-0/RN  
L22 191 S (CATECHOL (2A) GALLATE)  
L23 21 S 20819-16-3/RN  
L24 3391 S L10 OR L22 OR L23  
L25 194830 S COSMETIC? OR TOICAL? OR DERMATOLOG? OR LOTION OR CREAM OR  
OIN  
L26 74424 S TOPICAL?  
L27 234013 S L25 OR L26  
L28 3198 S 424/401/NCL  
L29 180 S L24 AND (L27 OR L28)  
L30 178 S L29 AND L27  
L31 12 S L30 AND ((SKIN (3A) DRY) OR PSORIASIS OR ECZEMA)

L9 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2001 ACS  
 RN 863-03-6 REGISTRY  
 CN Benzoic acid, 3,4,5-trihydroxy-, (2R,3R)-2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl ester, rel- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Benzoic acid, 3,4,5-trihydroxy-, 2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl ester, cis-  
 CN Epicatechol, 3-gallate (7CI)  
 CN Gallic acid, 3-ester with epicatechol (8CI)  
 OTHER NAMES:  
 CN epi-Catechin 3-O-gallate  
 CN **Epicatechin gallate**  
 CN Epicatechol gallate  
 FS STEREOSEARCH  
 MF C22 H18 O10  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, MEDLINE, PROMT, TOXCENTER, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)

Relative stereochemistry.



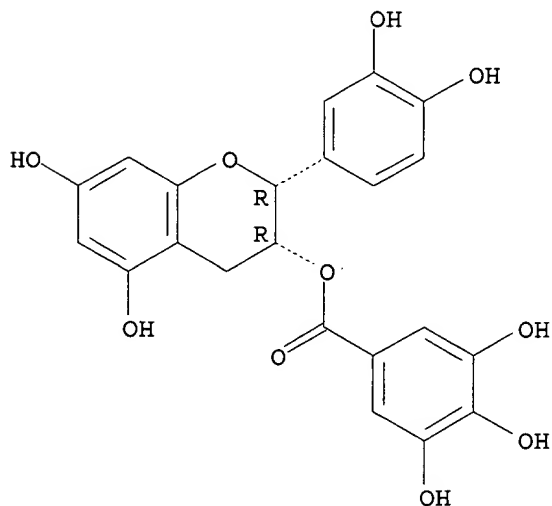
*claim 8?*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

287 REFERENCES IN FILE CA (1967 TO DATE)  
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 288 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 14 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2001 ACS  
 RN 1257-08-5 REGISTRY  
 CN Benzoic acid, 3,4,5-trihydroxy-, (2R,3R)-2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl ester (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Benzoic acid, 3,4,5-trihydroxy-, 2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl ester, (2R-cis)-  
 CN Epicatechol, 3-gallate, (-)- (8CI)  
 CN Epicatechol, gallate (6CI)  
 CN Gallic acid, 3-ester with epicatechol, (-)- (8CI)  
 OTHER NAMES:  
 CN (-)-epi-Catechin 3-O-gallate  
 CN (-)-Epicatechin 3-gallate  
 CN (-)-Epicatechin 3-O-gallate  
 CN (-)-Epicatechol gallate  
 CN 3-Galloyl-(-)-epicatechin  
 CN 3-O-Galloyl-(-)-epicatechin  
 CN 3-O-Galloylepicatechin  
 CN epi-Catechin 3-O-gallate  
 CN **Epicatechin 3-O-gallate**  
 CN **Epicatechin gallate**  
 CN Epicatechol 3-gallate  
 CN L-Epicatechin gallate  
 FS STEREOSEARCH  
 MF C22 H18 O10  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM, IPA, NAPRALERT, RTECS\*, TOXCENTER, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (-).



*claim 8*

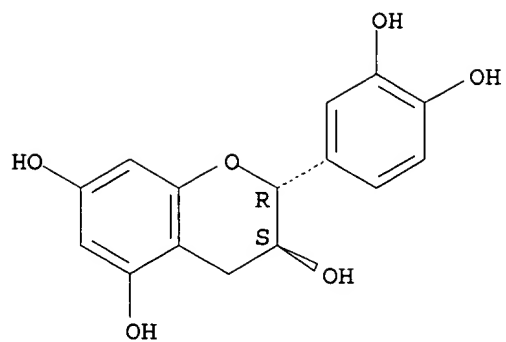
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

711 REFERENCES IN FILE CA (1967 TO DATE)  
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 713 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 44 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2001 ACS  
RN 154-23-4 REGISTRY  
CN 2H-1-Benzopyran-3,5,7-triol, 2-(3,4-dihydroxyphenyl)-3,4-dihydro-,  
(2R,3S)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2H-1-Benzopyran-3,5,7-triol, 2-(3,4-dihydroxyphenyl)-3,4-dihydro-,  
(2R-trans)-  
CN Catechol (8CI)  
OTHER NAMES:  
CN (+)-(2R:3S)-5,7,3',4'-Tetrahydroxyflavan-3-ol  
CN (+)-3',4',5,7-Tetrahydroxy-2,3-trans-flavan-3-ol  
CN (+)-Catechin  
CN (+)-Catechol  
CN (+)-Cianidanol  
CN (+)-Cyanidan-3-ol  
CN (+)-Cyanidanol  
CN (+)-Cyanidanol-3  
CN 3-Cyanidanol, (+)-  
CN Biocatechin  
CN **Catechin**  
CN **Catechin (flavan)**  
CN Catechinic acid  
CN Catechol (flavan)  
CN Catechuic acid  
CN Catergen  
CN Cianidanol  
CN Cyanidanol  
CN D-(+)-Catechin  
CN d-Catechin  
CN D-Catechin  
CN D-Catechol  
CN trans-(+)-3,3',4',5,7-Flavanpentol  
FS STEREOSEARCH  
DR 321-01-7, 16198-00-8, 4211-28-3, 5323-80-8, 159761-73-6  
MF C15 H14 O6  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS,  
BIOSIS,  
BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,  
CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSChem, DDFU, DIOGENES, DRUGU,  
EMBASE, IFICDB, IFIPAT, IFIUDb, IPA, MEDLINE, MRCK\*, NAPRALERT,  
NIOSH TIC, PDL COM\*, PHAR, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER,  
TOXLIT, USAN, USPATFULL, VETU  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

*Claim?*

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

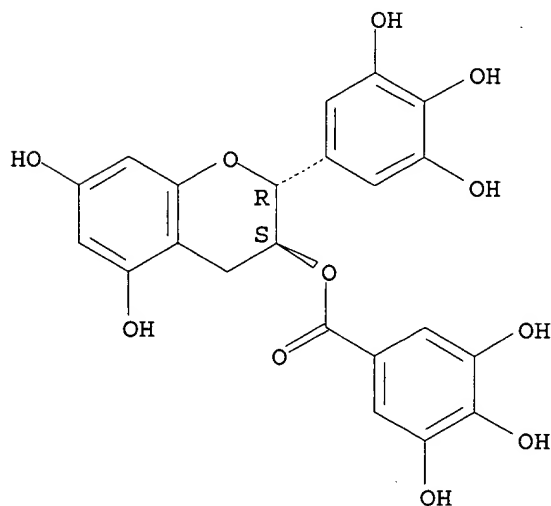
3515 REFERENCES IN FILE CA (1967 TO DATE)  
 227 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 3524 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2001 ACS  
RN 100786-01-4 REGISTRY  
CN C.I. Natural Brown 3 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **Catechin**  
CN Catechu  
CN Cutch  
CN Cutch (dye)  
CN Gambier  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CEN,  
CIN, PIRA, PROMT, RTECS\*, TOXCENTER, TOXLIT, TULSA, USPATFULL  
(\*File contains numerically searchable property data)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
23 REFERENCES IN FILE CA (1967 TO DATE)  
23 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L9 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2001 ACS  
 RN 5127-64-0 REGISTRY  
 CN Benzoic acid, 3,4,5-trihydroxy-, (2R,3S)-3,4-dihydro-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-2H-1-benzopyran-3-yl ester (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Benzoic acid, 3,4,5-trihydroxy-, 3,4-dihydro-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-2H-1-benzopyran-3-yl ester, (2R-trans)-  
 CN Gallic acid, ester with gallocatechol  
 CN Gallocatechol gallate (6CI)  
 CN Gallocatechol, 3-gallate (7CI, 8CI)  
 OTHER NAMES:  
 CN (+)-Galocatechol gallate  
 CN 3-O-Galloyl-(+)-gallocatechin  
 CN Gallocatechin 3-O-gallate  
 CN **Galocatechin gallate**  
 FS STEREOSEARCH  
 DR 36291-30-2  
 MF C22 H18 O11  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, DDFU, DRUGU, NAPRALERT, TOXCENTER, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).

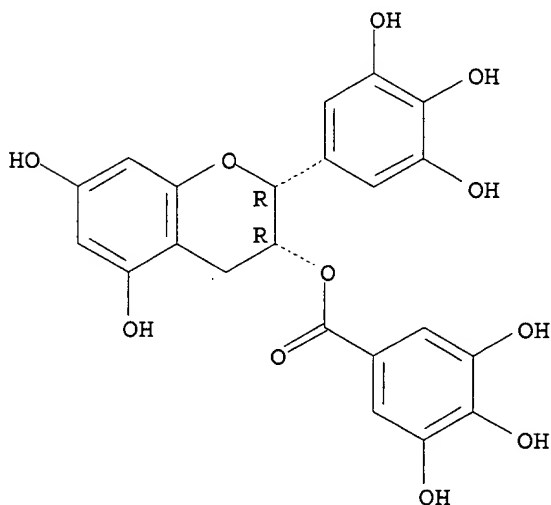


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

71 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 71 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 22 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2001 ACS  
 RN 989-51-5 REGISTRY  
 CN Benzoic acid, 3,4,5-trihydroxy-, (2R,3R)-3,4-dihydro-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-2H-1-benzopyran-3-yl ester (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Benzoic acid, 3,4,5-trihydroxy-, 3,4-dihydro-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-2H-1-benzopyran-3-yl ester, (2R-cis)-  
 CN Epigallocatechol, 3-gallate (7CI)  
 CN Epigallocatechol, 3-gallate, (-)- (8CI)  
 CN Epigallocatechol, gallate (6CI)  
 CN Gallic acid, 3-ester with epigallocatechol, (-)- (8CI)  
 OTHER NAMES:  
 CN (-)-epi-Gallocatechin 3-O-gallate  
 CN (-)-Epigallocatechin 3-gallate  
 CN (-)-Epigallocatechin 3-O-gallate  
 CN (-)-Epigallocatechin gallate  
 CN (-)-Epigallocatechol gallate  
 CN 3-O-Galloyl-(-)-epigallocatechin  
 CN epi-Gallocatechin 3-O-gallate  
 CN **Epigallocatechin 3-gallate**  
 CN **Epigallocatechin 3-O-gallate**  
 CN **Epigallocatechin gallate**  
 CN L-Epigallocatechin gallate  
 CN NVP-XAA 723  
 FS STEREOSEARCH  
 DR 863-65-0  
 MF C22 H18 O11  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CIN, CSCHM, DDFU, DRUGU, EMBASE, IPA, MEDLINE, MRCK\*, NAPRALERT, NIOSHTIC, PROMT, RTECS\*, SYNTHLINE, TOXCENTER, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (-).



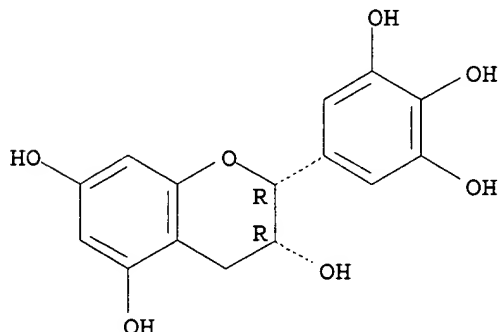


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1375 REFERENCES IN FILE CA (1967 TO DATE)  
18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1384 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
46 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2001 ACS  
RN 970-74-1 REGISTRY  
CN 2H-1-Benzopyran-3,5,7-triol, 3,4-dihydro-2-(3,4,5-trihydroxyphenyl)-,  
(2R,3R) - (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2H-1-Benzopyran-3,5,7-triol, 3,4-dihydro-2-(3,4,5-trihydroxyphenyl)-,  
(2R-cis) -  
CN Epigallocatechol (8CI)  
OTHER NAMES:  
CN (-)-3,3',4',5,5',7-Flavanhexol  
CN (-)-epi-Gallocatechin  
CN (-)-Epigallocatechin  
CN (-)-Epigallocatechol  
CN 1-epi-3',4',5',5',7-Pentahydroxy-3-flavanol  
CN 3,3',4',5,5',7-Flavanhexol  
CN Antiscurvy factor C2  
CN epi-Gallocatechin  
CN **Epigallocatechin**  
CN Factor C2 (antiscurvy)  
CN 1-Epigallocatechin  
CN L-Epigallocatechin  
CN 1-Epigallocatechol  
FS STEREOSEARCH  
DR 98032-84-9, 2545-09-7  
MF C15 H14 O7  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS,  
BIOSIS,  
BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CSCHM,  
DDFU, DRUGU, EMBASE, IPA, NAPRALERT, PROMT, RTECS\*, TOXCENTER, TOXLIT,  
USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1072 REFERENCES IN FILE CA (1967 TO DATE)

16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1077 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2001 ACS  
RN 101840-48-6 REGISTRY  
CN Benzoic acid, 3,4,5-trihydroxy-, ester with (2R,3S)-2-(3,4-dihydroxyphenyl)-3,4-dihydro-2H-1-benzopyran-3,5,7-triol (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzoic acid, 3,4,5-trihydroxy-, ester with (2R-trans)-2-(3,4-dihydroxyphenyl)-3,4-dihydro-2H-1-benzopyran-3,5,7-triol

OTHER NAMES:

CN (+)-Catechin gallate

CN **Catechin gallate**

FS STEREOSEARCH

MF C15 H14 O6 . x C7 H6 O5

SR CA

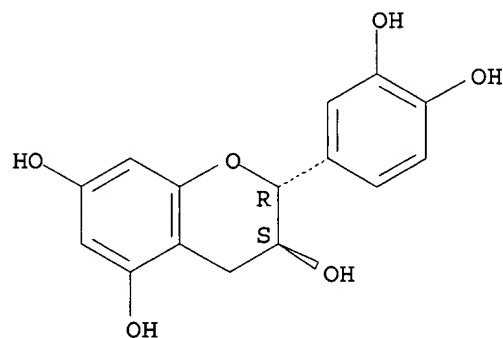
LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, NAPRALERT, TOXCENTER, TOXLIT

CM 1

CRN 154-23-4

CMF C15 H14 O6

Absolute stereochemistry. Rotation (+).

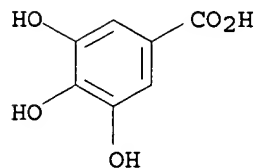


CM 2

CRN 149-91-7

CMF C7 H6 O5

*claim 7*



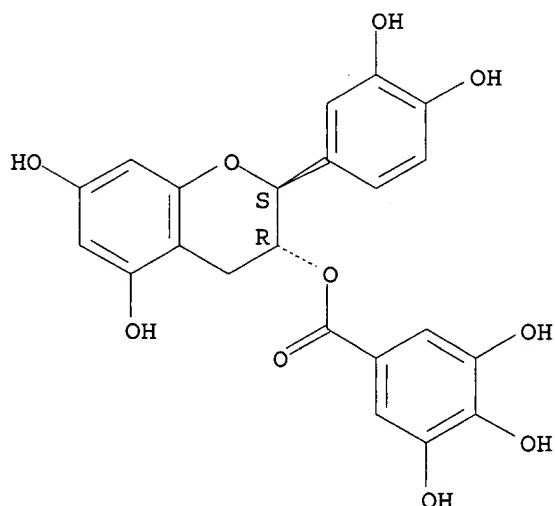
20 REFERENCES IN FILE CA (1967 TO DATE)

3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

20 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L9 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2001 ACS  
 RN 20819-16-3 REGISTRY  
 CN Benzoic acid, 3,4,5-trihydroxy-, (2R,3S)-2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl ester, rel- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Benzoic acid, 3,4,5-trihydroxy-, 2-(3,4-dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl ester, trans-  
 CN Catechol, 3-gallate (7CI, 8CI)  
 OTHER NAMES:  
 CN **Catechin 3-gallate**  
 CN **Catechin gallate**  
 FS STEREOSEARCH  
 DR 10517-25-6  
 MF C22 H18 O10  
 LC STN Files: AGRICOLA, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, TOXCENTER, TOXLIT  
 (\*File contains numerically searchable property data)

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

21 REFERENCES IN FILE CA (1967 TO DATE)  
 21 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)